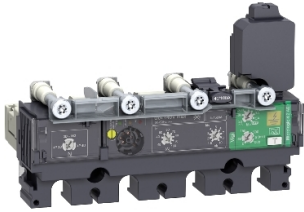


# Product data sheet

Specifications



trip unit MicroLogic 4.2 AB for ComPact NSX 100/160/250 circuit breakers, electronic, rating 100 A, 4 poles 4d

LV433804

## Main

Range	ComPact
Range of product	ComPact NSX100...250
Product or component type	Trip unit
Trip unit name	MicroLogic 4.2 AB
Trip unit technology	Electronic
Range compatibility	ComPact NSX100 ComPact NSX160 ComPact NSX250
Device application	Special application
Number of poles	4P
Protected poles description	3t 3t + N/2 4t
Neutral position	Left
Trip unit protection functions	LSolR
Protection type	L : for overload protection (long time) So : for short time short-circuit protection with fixed delay I : for instantaneous short-circuit protection R : for earth-leakage protection
Trip unit rated current	100 A at 40 °C
[Ue] rated operational voltage	440 V AC 50/60 Hz
Network type	AC
Network frequency	50/60 Hz

## Complementary

Long-time pick-up adjustment type I <sub>r</sub> (thermal protection)	Adjustable 9 settings
[I <sub>r</sub> ] long-time protection pick-up adjustment range	40...100 A
Long-time protection delay adjustment type t <sub>r</sub>	Fixed
[t <sub>r</sub> ] long-time protection delay adjustment range	0.35 s at 7.2 x I <sub>r</sub> 0.5 s at 6 x I <sub>r</sub> 15 s at 1.5 x I <sub>r</sub>
Thermal memory	20 minutes before and after tripping
Short-time protection pick-up adjustment type I <sub>sd</sub>	Adjustable
[I <sub>sd</sub> ] Short-time protection pick-up adjustment range	1.5...10 x I <sub>r</sub>
Short-time protection delay adjustment type t <sub>sd</sub>	Fixed

List Price displayed is VAT EXCLUSIVE.

<b>[tsd] Short-time protection delay adjustment range</b>	0.02 s
<b>Instantaneous protection pick-up adjustment type Ii</b>	Fixed
<b>[Ii] instantaneous protection pick-up adjustment range</b>	1500 A
<b>Earth-leakage protection</b>	Integrated
<b>Earth-leakage protection class</b>	Class A
<b>Earth-leakage protection sensitivity adjustment type IΔn</b>	Adjustable
<b>[IΔn] earth-leakage protection sensitivity adjustment range</b>	500 mA 100 mA 3 A 5 A 30 mA 300 mA 1 A
<b>Earth-leakage protection specific mode</b>	OFF using the IΔn rotary switch
<b>Earth-leakage protection time delay adjustment type Δt</b>	Adjustable
<b>[Δt] Earth-leakage protection time delay adjustment range</b>	150 ms 500 ms 0 ms 1 s 60 ms
<b>Neutral protection settings</b>	0.5 x Ir (3t + N/2) 1 x Ir (4t) No protection (3t)
<b>Zone selective interlocking ZSI</b>	Without
<b>Local signalling</b>	Flashing LED (green) for ready to operate LED 105 % Ir (red) for overload LED 90 % Ir (orange) for overload Color indicator (yellow) for residual current

## Environment

<b>Standards</b>	UL 508 NEMA AB1 IEC 60947-2 EN 60947-2
<b>Product certifications</b>	EAC CB CCC
<b>Pollution degree</b>	3 conforming to IEC 60947-1
<b>IP degree of protection</b>	IP40 conforming to IEC 60529
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-40...85 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	10.0 cm
<b>Package 1 Width</b>	11.0 cm
<b>Package 1 Length</b>	15.0 cm
<b>Package 1 Weight</b>	800.0 g
<b>Unit Type of Package 2</b>	S03

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<b>Number of Units in Package 2</b>	10
<b>Package 2 Height</b>	30.0 cm
<b>Package 2 Width</b>	30.0 cm
<b>Package 2 Length</b>	40.0 cm
<b>Package 2 Weight</b>	8.304 kg

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## **Contractual warranty**

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<b>Warranty (in months)</b>	18
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## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

Total lifecycle Carbon footprint	15 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	6 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	9 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.1 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

## Use Better



### Materials and Substances

EU RoHS Directive	<a href="#">Compliant By Exemption</a>
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## Use Longer



### Lifetime extension

Repair	No
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## Use Again



### Repack and remanufacture

End of life manual availability	<a href="#">End of Life Information</a>
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins